

Serial No. 10/568,088
Amendment
Responsive to Office Action dated July 16, 2007

H&A-5196

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CENTRAL FAX CENTER****OCT 16 2007****IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1 – 4. (Canceled)

5. (Currently Amended) ~~An The internal combustion engine controller-according-to~~
claim 4, comprising target torque computation means for computing target torque based on
the demand torque of an internal combustion engine such as the operation of an accelerator,
means of computing a target throttle angle based on the target torque, and torque assist
control means for assisting torque based on the state of the target torque and the operation
state of the internal combustion engine, wherein

the torque assist control means carries out torque assist control by increasing the
quantity of fuel when a torque increase is demanded;

wherein the operation state of the internal combustion engine is the uniform charge
stoichiometric combustion state of the internal combustion engine having a three-way
catalyst; and

wherein the fuel correction quantity computation means comprises fuel correction
permission judging means which judges whether fuel correction is permitted or not based on

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H&A-5196

the state of the target torque, the operation state of the external system and the estimated adsorption quantity of oxygen in a catalyst.

6. (Original) The internal combustion engine controller according to claim 5, wherein the fuel correction permission judging means permits torque assist control by increasing the quantity of fuel when torque increase is demanded by an external system such as vehicle stable control, brake control and traction control.

7. (Original) The internal combustion engine controller according to claim 5, wherein the fuel correction permission judging means permits torque assist control by increasing the quantity of fuel when the estimated adsorption quantity of oxygen in the catalyst is larger than a predetermined threshold value.

8. (Original) The internal combustion engine controller according to claim 7, wherein the fuel correction permission judging means comprises means of judging the emergency of a torque increase demand and permits torque assist control by increasing the quantity of fuel regardless of the storage quantity of oxygen in the catalyst for a torque increase demand having high emergency.

9. (Previously Presented) The internal combustion engine controller according to claim 6, wherein the fuel correction quantity computation means comprises oxygen storage

Serial No. 10/568,088

H&A-5196

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computation means which increases the target adsorption ratio of oxygen in the catalyst when torque assist control by increasing the quantity of fuel is permitted.

10. (Original) The internal combustion engine controller according to claim 9, wherein the oxygen storage computation means returns the target adsorption ratio of oxygen in the catalyst to a normal value with a time delay when decision on the permission of torque assist control by increasing the quantity of fuel comes to an end.